

FIG. 1

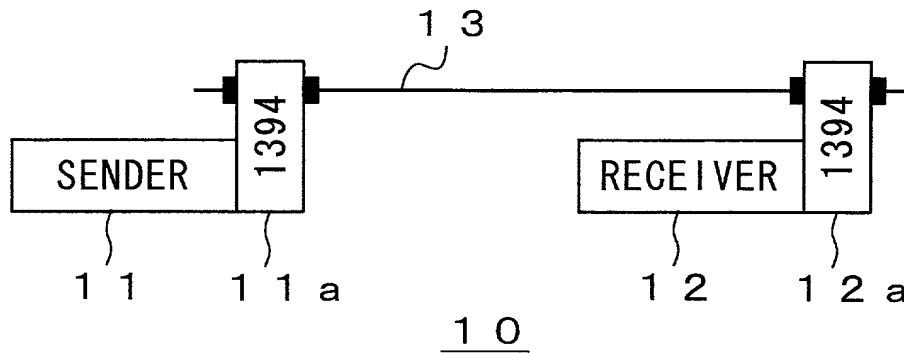


FIG. 2

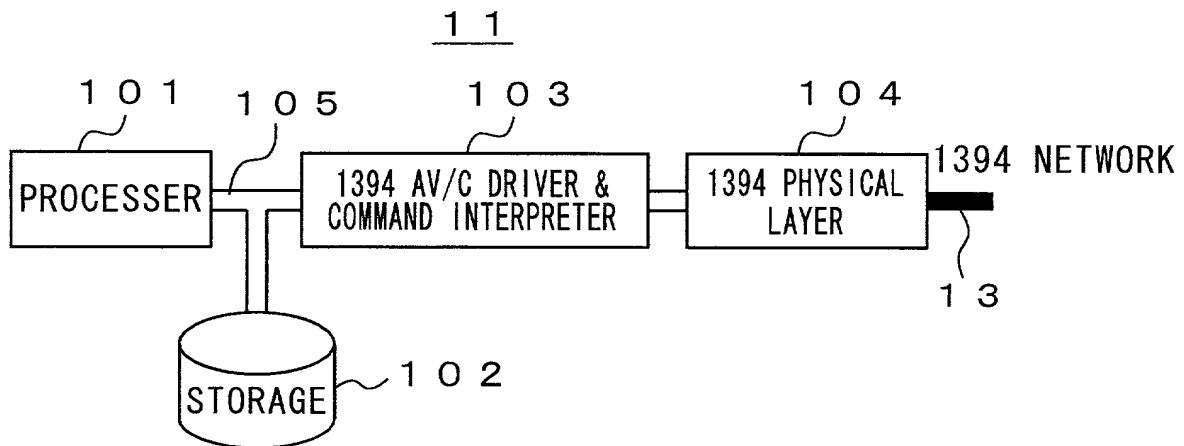


FIG. 3

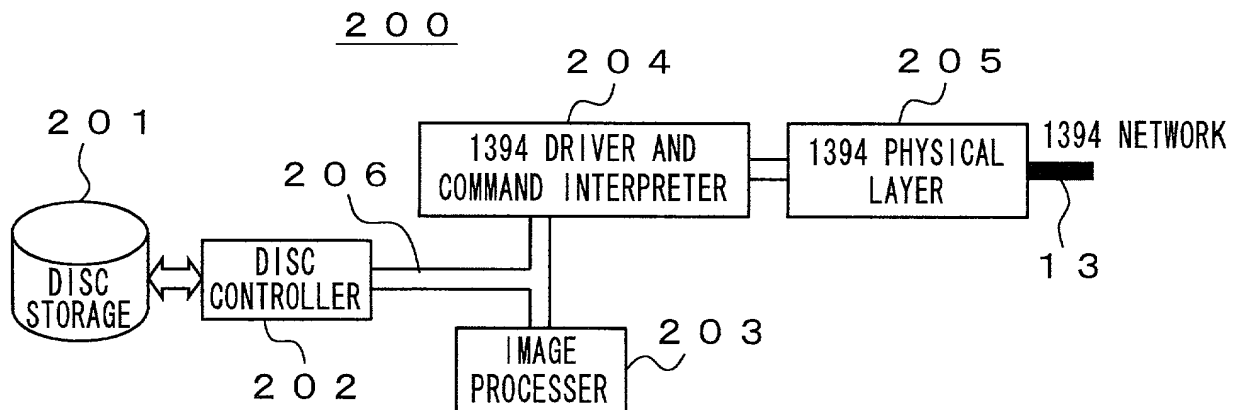


FIG. 4

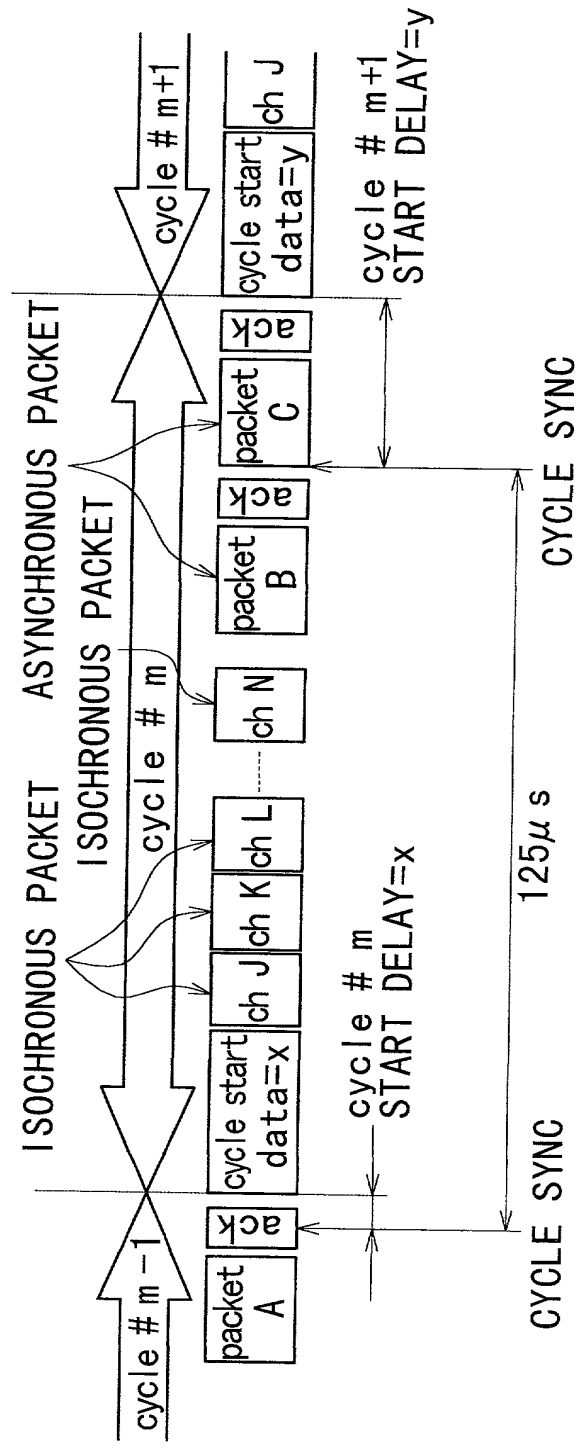


FIG. 5

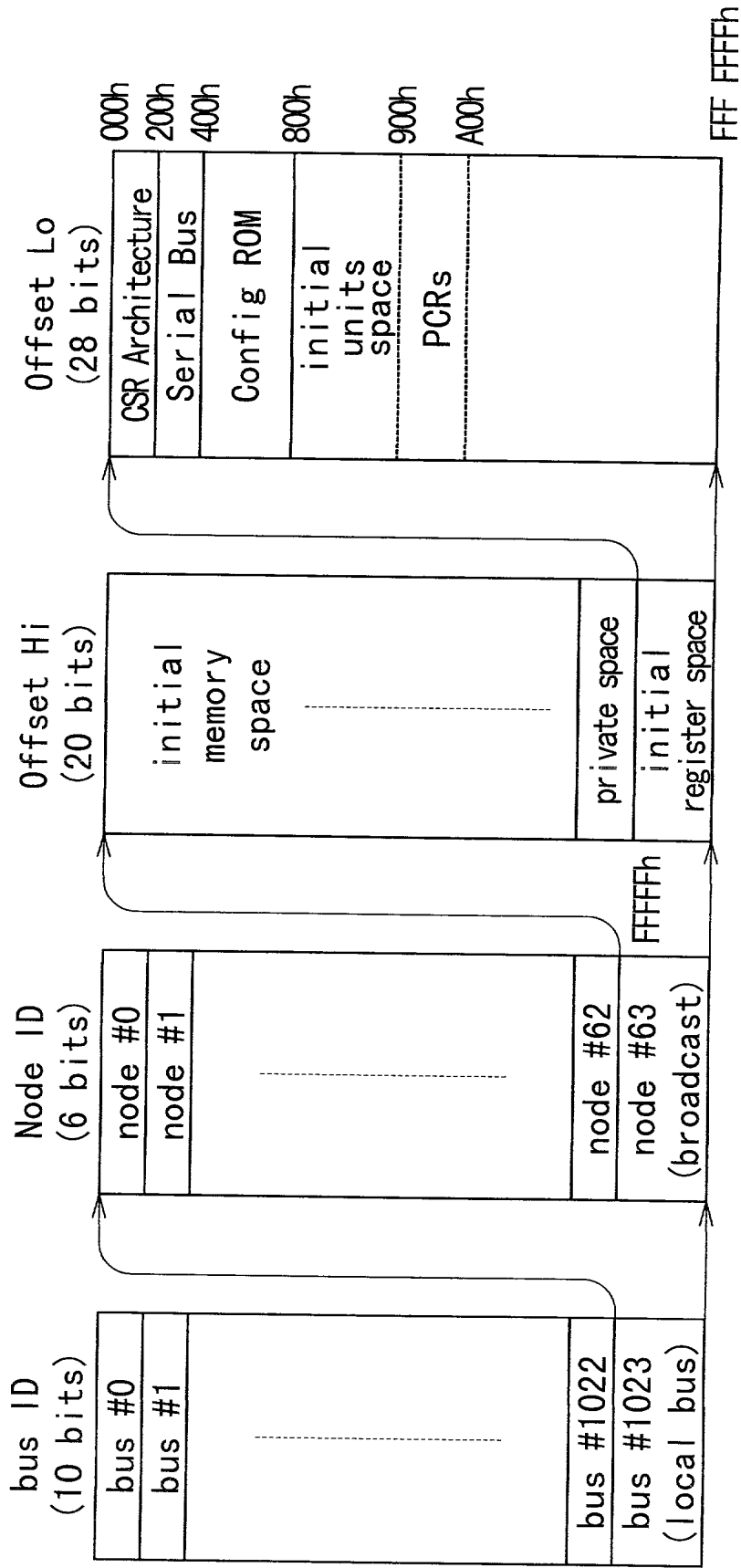


FIG. 6

OFFSETS	NAMES	FUNCTIONS
000h	STATE_CLEAR	STATE AND CONTROL INFORMATION
004h	STATE_SET	SET STATE_CLEAR BIT
008h	NODE_IDS	INDICATE 16-BIT NODE ID
00Ch	RESET_START	START COMMAND RESET
018h-01Ch	SPLIT_TIMEOUT	PRESCRIBE MAXIMUM TIME OF SPLIT
200h	CYCLE_TIME	CYCLE TIME
210h	BUSY_TIMEOUT	PRESCRIBE LIMIT OF RETRY
21Ch	BUS_MANAGER	INDICATE BUS MANAGER ID
220h	BANDWIDTH_AVAILABLE	INDICATE BANDWIDTH THAT CAN BE ASSIGNED TO ISOCHRONOUS COMMUNICATION
224h-228h	CHANNELS_AVAILABLE	INDICATE USED STATE OF EACH CHANNEL

FIG. 7

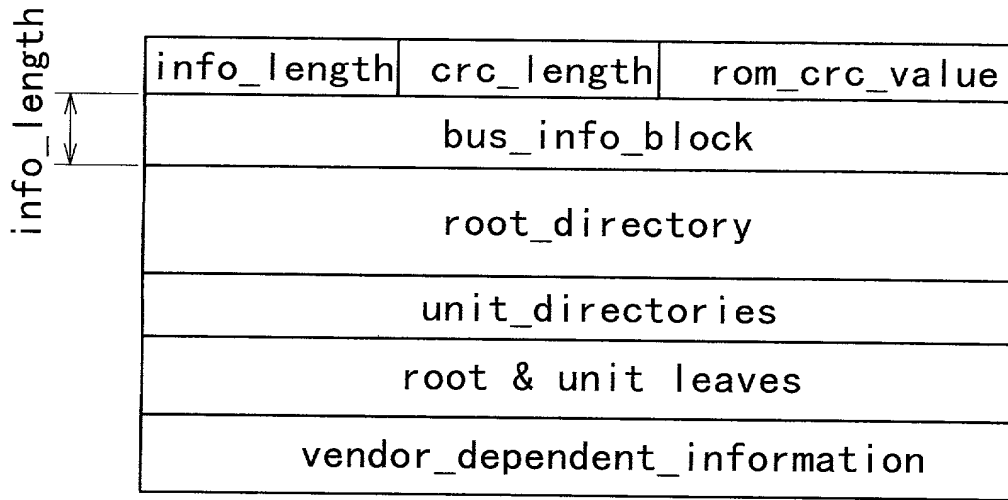


FIG. 9

900h	Output Master Plug Register
904h	Output Plug Control Register #0
908h	Output Plug Control Register #1
⋮	⋮
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
⋮	⋮
9FCh	Input Plug Control Register #30

FIG. 8

400h	04h	crc_length	rom_crc_value
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Bus_info_block

404h	"1394"		
408h	img	img	img
40Ch	reserved	cyc_clk_acc	max_rec
410h	Company_ID		Chip_ID_hi
	Chip_ID_lo		

Root_directory

414h	root_length	CRC
418h	03h	module_vendor_id
41Ch	0Ch	node_capabilities
420h	8Dh	node_unique_id offset
424h	D1h	unit_directory_offset
428h	Optional.	

Unit_directory

unit_directory_length	CRC
12h	unit_spec_id
13h	unit_sw_version
Optional.	

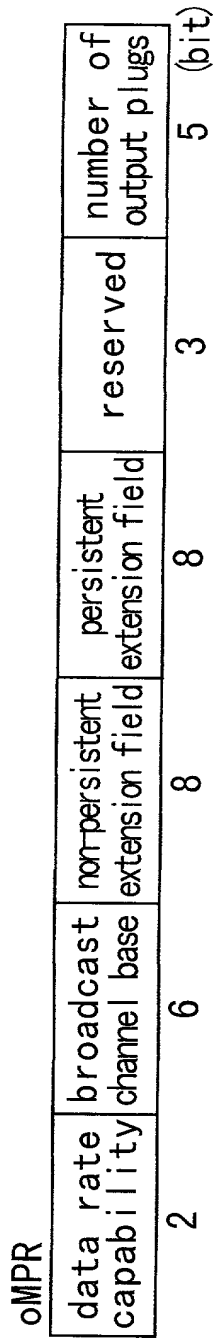


FIG. 10A

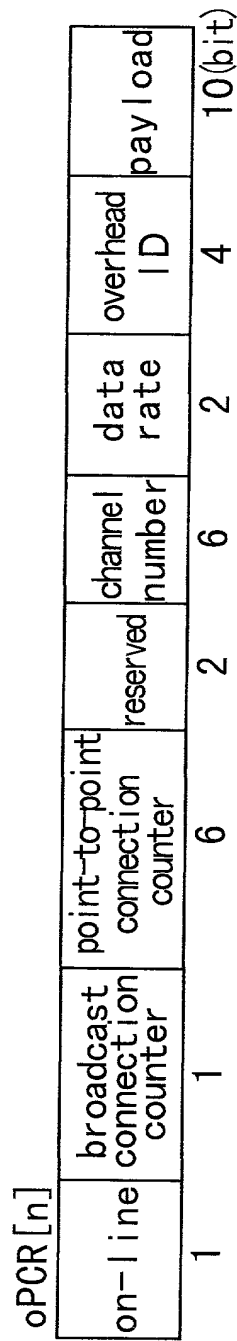


FIG. 10B

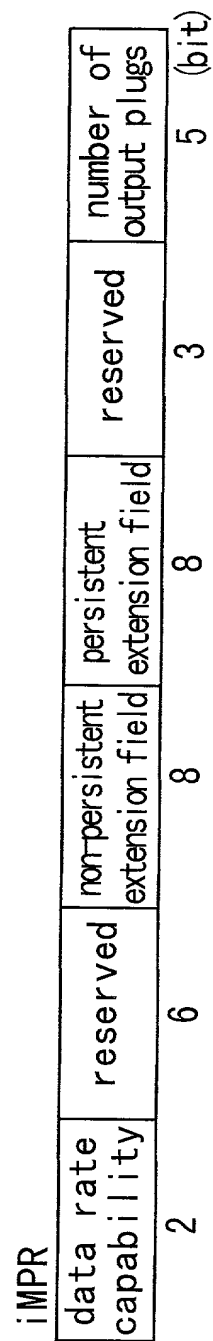


FIG. 10C

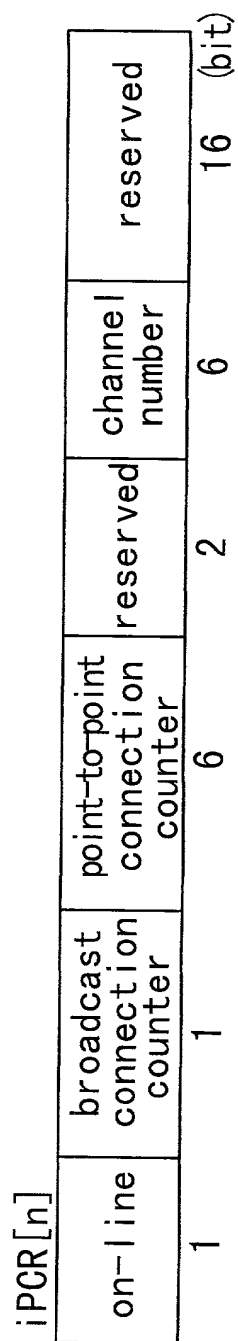


FIG. 10D

FIG. 11

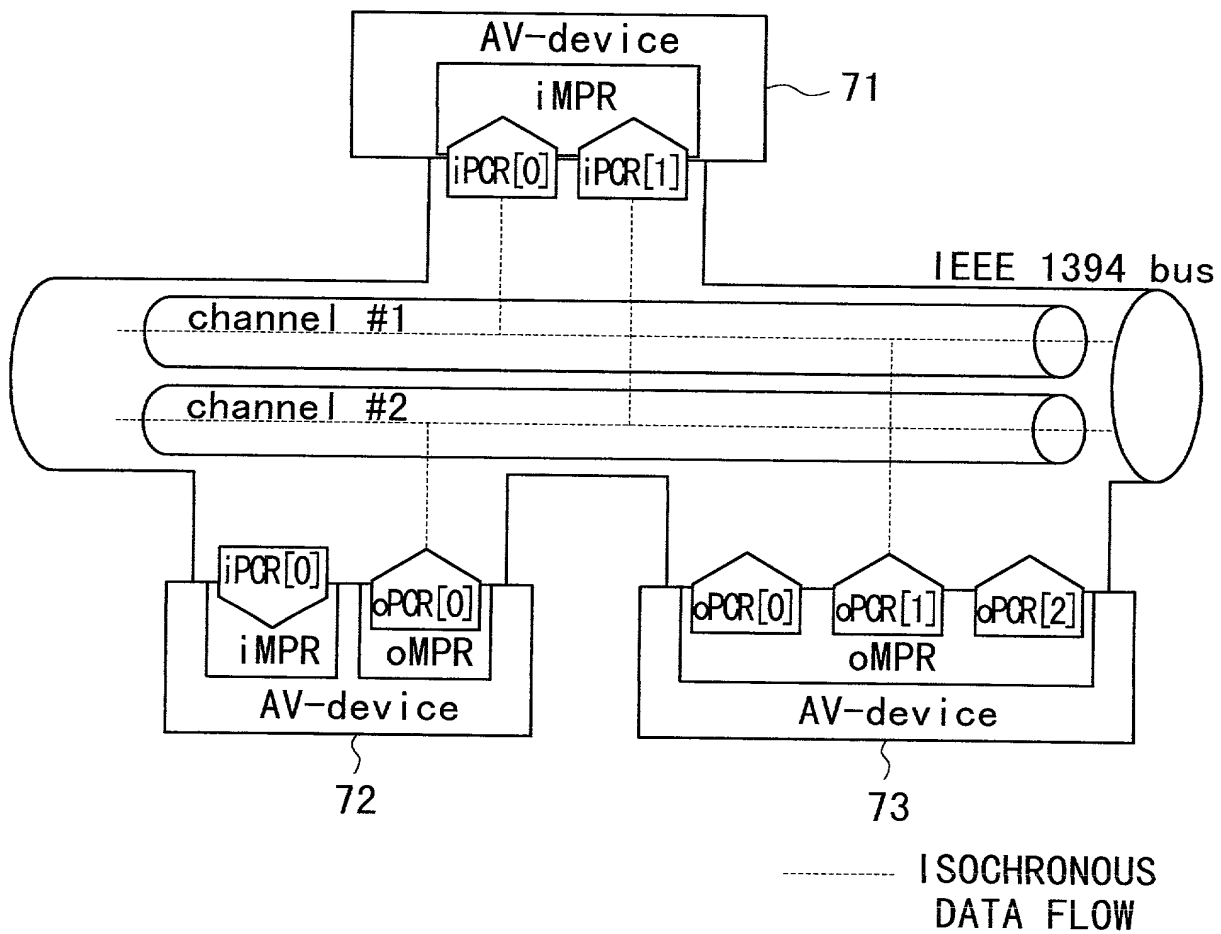


FIG. 12

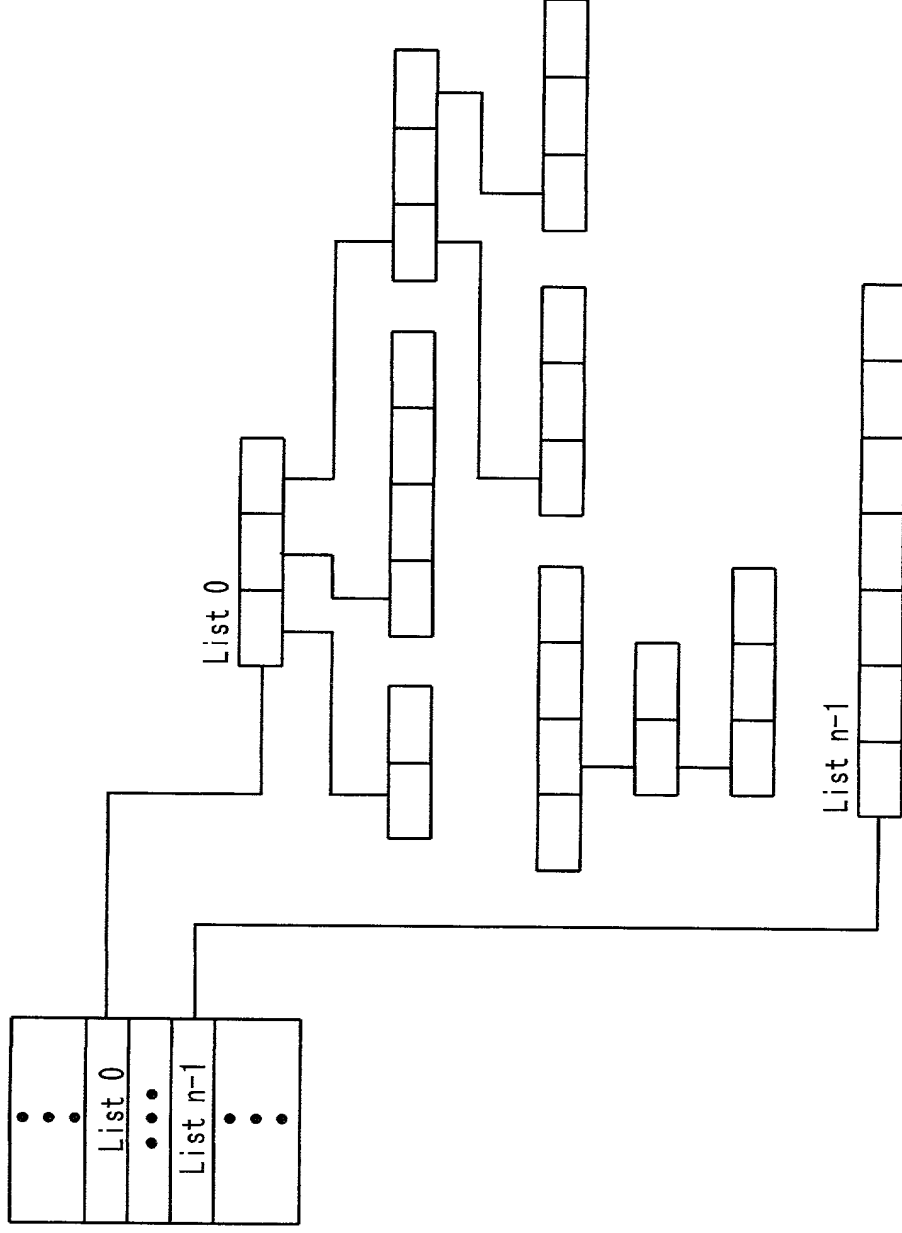


FIG. 13

The General Subunit Identifier Descriptor	
address	contents
00 00 ₁₆	descriptor_length
00 01 ₁₆	
00 02 ₁₆	generation_ID
00 03 ₁₆	size_of_list_ID
00 04 ₁₆	size_of_object_ID
00 05 ₁₆	size_of_object_position
00 06 ₁₆	number_of_root_object_lists(n)
00 07 ₁₆	
00 08 ₁₆	root_object_list_id_0
	root_object_list_id_n-1
	subunit_dependent_length
	subunit_dependent_information
	manufacturer_dependent_length
	manufacturer_dependent_information

FIG. 14

generation_ID values	
generation_ID	meaning
00 ₁₆	Data structures and command sets as specified in the AV/C General Specification, version 3.0
all others	reserved for future specification

FIG. 15

List ID Value Assignment Ranges	
range of values	list definition
0000 ₁₆ –0FFF ₁₆	reserved
1000 ₁₆ –3FFF ₁₆	subunit-type dependent
4000 ₁₆ –FFFF ₁₆	reserved
1 0000 ₁₆ –max list ID value	subunit-type dependent

FIG. 16

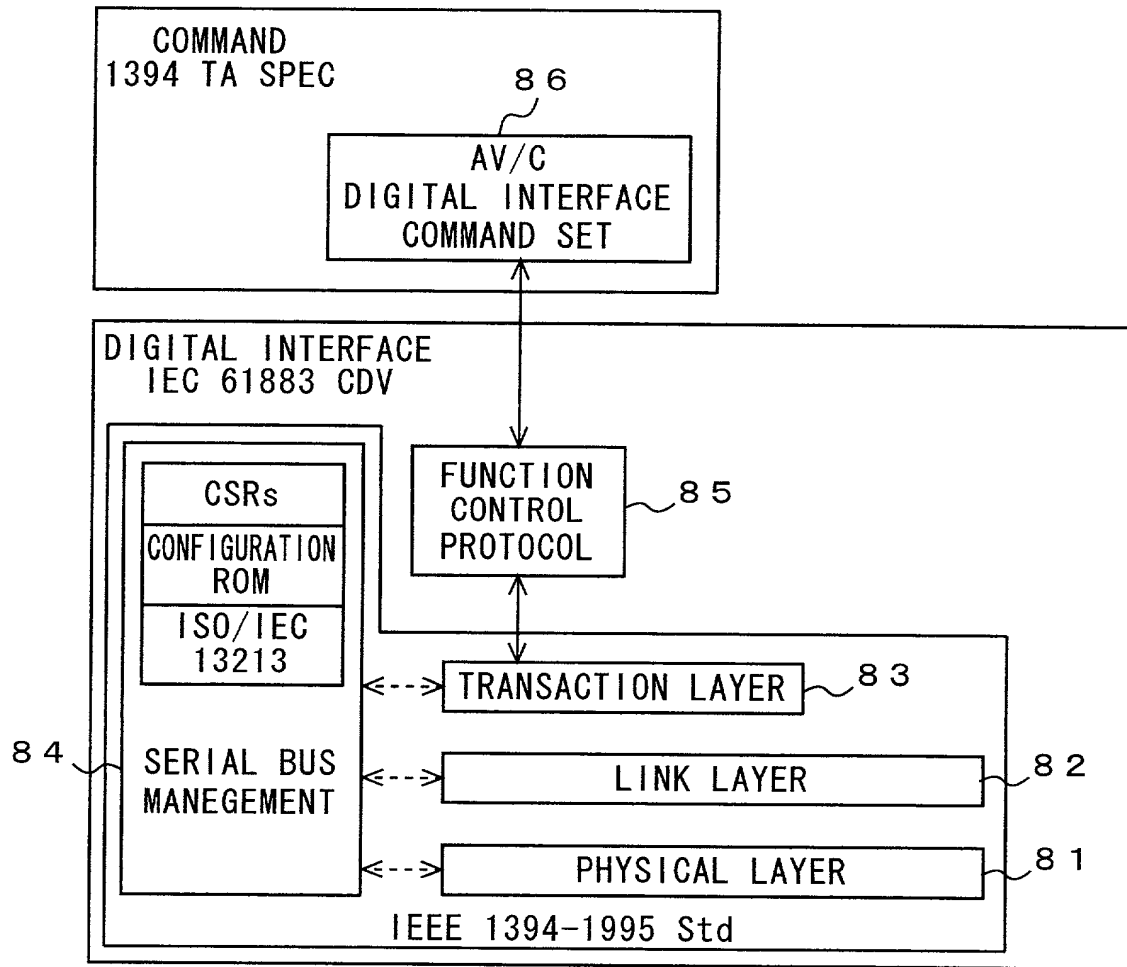


FIG. 17

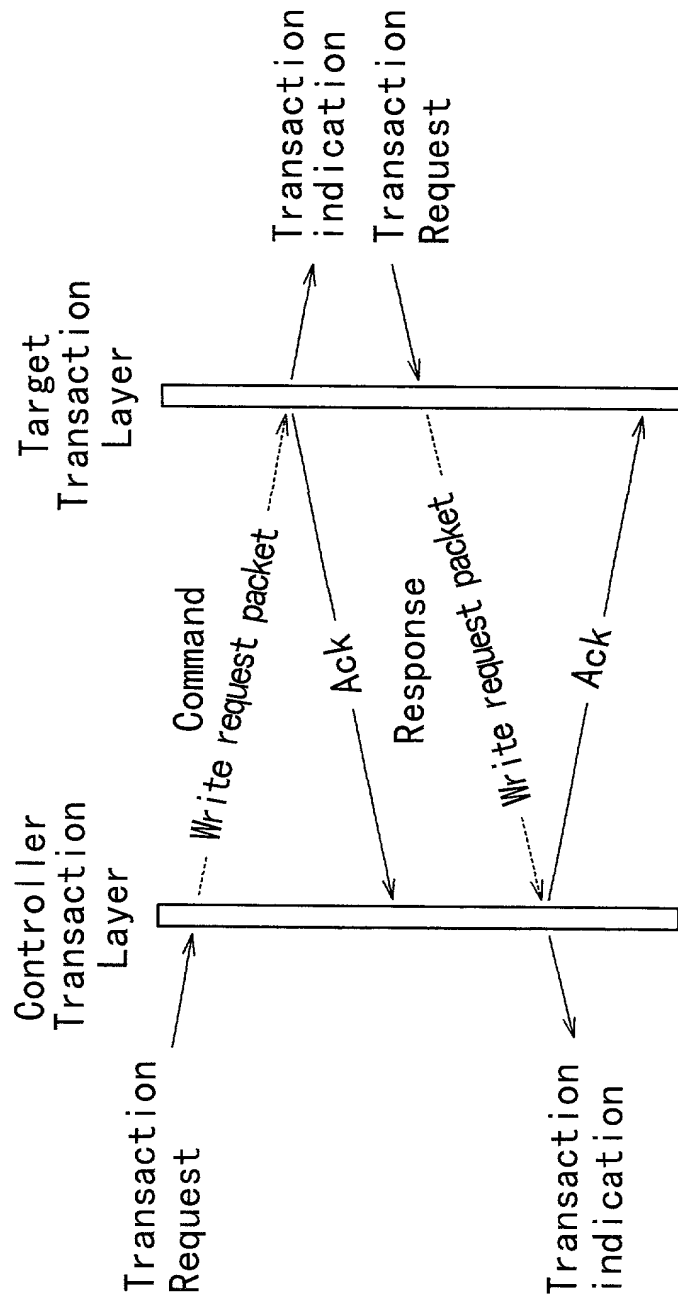


FIG. 18

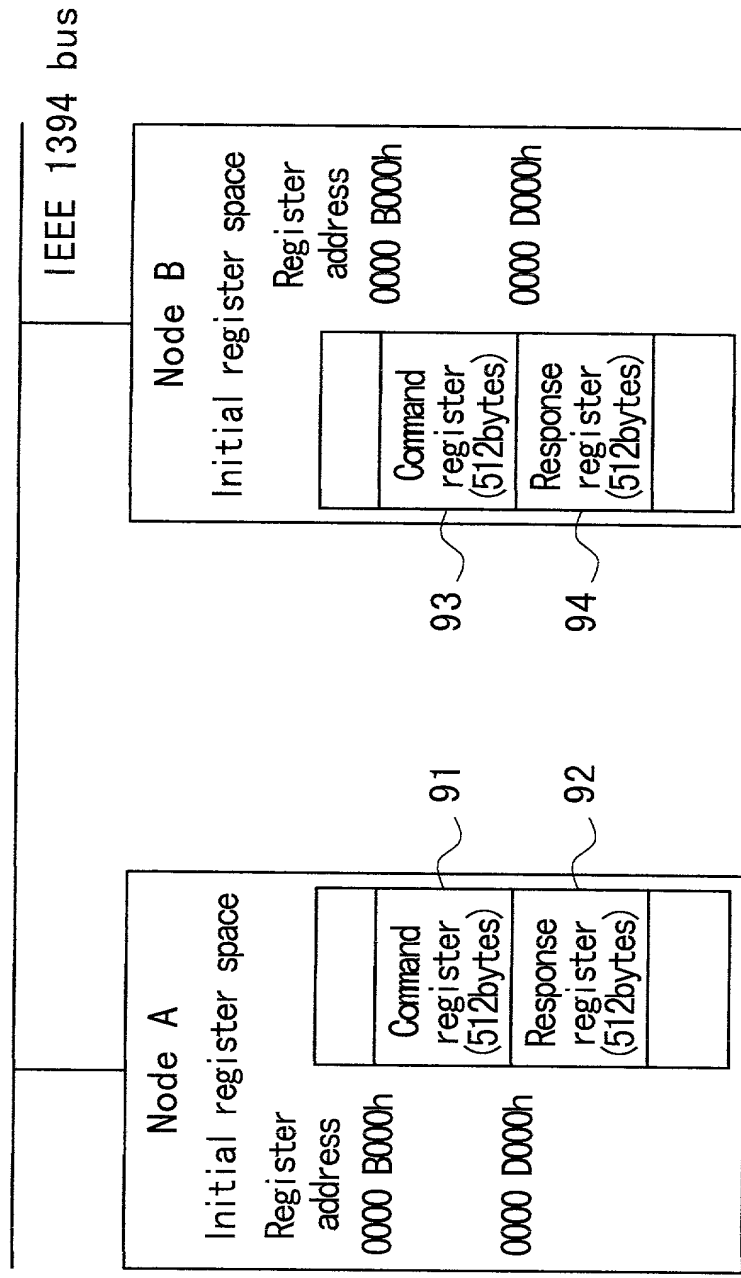


FIG. 19

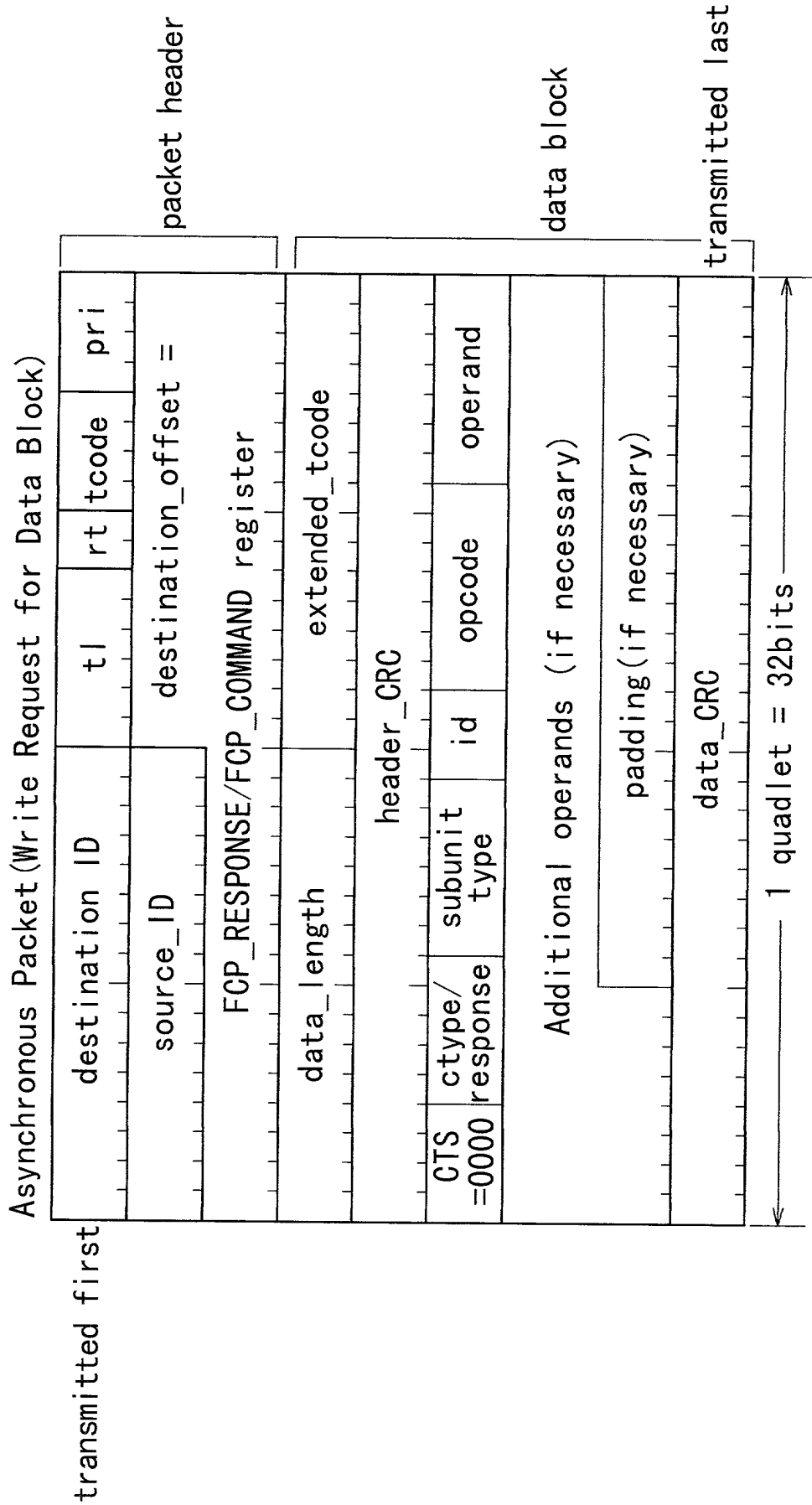


FIG. 20A

ctype/response	
Command	
0000	CONTROL
0001	STATUS
0010	SPECIFIC INQUIRY
0011	NOTIFY
0100	GENERAL INQUIRY
0101	(reserved for future specification)
{	
0111	
Response	
1000	NOT IMPLEMENTED
1001	ACCEPTED
1010	REJECTED
1011	IN TRANSITION
1100	IMPLEMENTED/STABLE
1101	CHANGED
1110	(reserved for future specification)
1111	INTERIM

FIG. 20B

subunit_type	
00000	Video monitor (reserved)
{	
00011	Disc recorder/ Player
{	
00100	Tape recorder/ Player
{	
00101	Tuner
00111	Video Camera (reserved)
{	
11100	Vendor unique
11101	reserved
11110	Subunit type extended to next byte
11111	Unit

FIG. 20C

opcode:Operation Code	
00h	VENDOR-DEPENDENT
50h	SEARCH MODE
51h	TIMECODE
52h	ATN
60h	OPEN MIC
61h	READ MIC
62h	WRITE MIC
C1h	LOAD MEDIUM
C2h	RECORD
C3h	PLAY
C4h	WIND
{	{

FIG. 21A

tape recorder IN THE CASE OF ID0					
AV/C	control	/player	PLAY	FORWARD	
CTS=0000	ctype=0000	subunit type=00100	id=000	opcode=C3h	operand=75h

FIG. 21B

tape recorder IN THE CASE /player OF ID0 PLAY FORWARD					
AV/C	accepted	subunit type=	id=	opcode=	operand=
CTS=0000	response=1001	00100	000	C3h	75h

FIG. 22

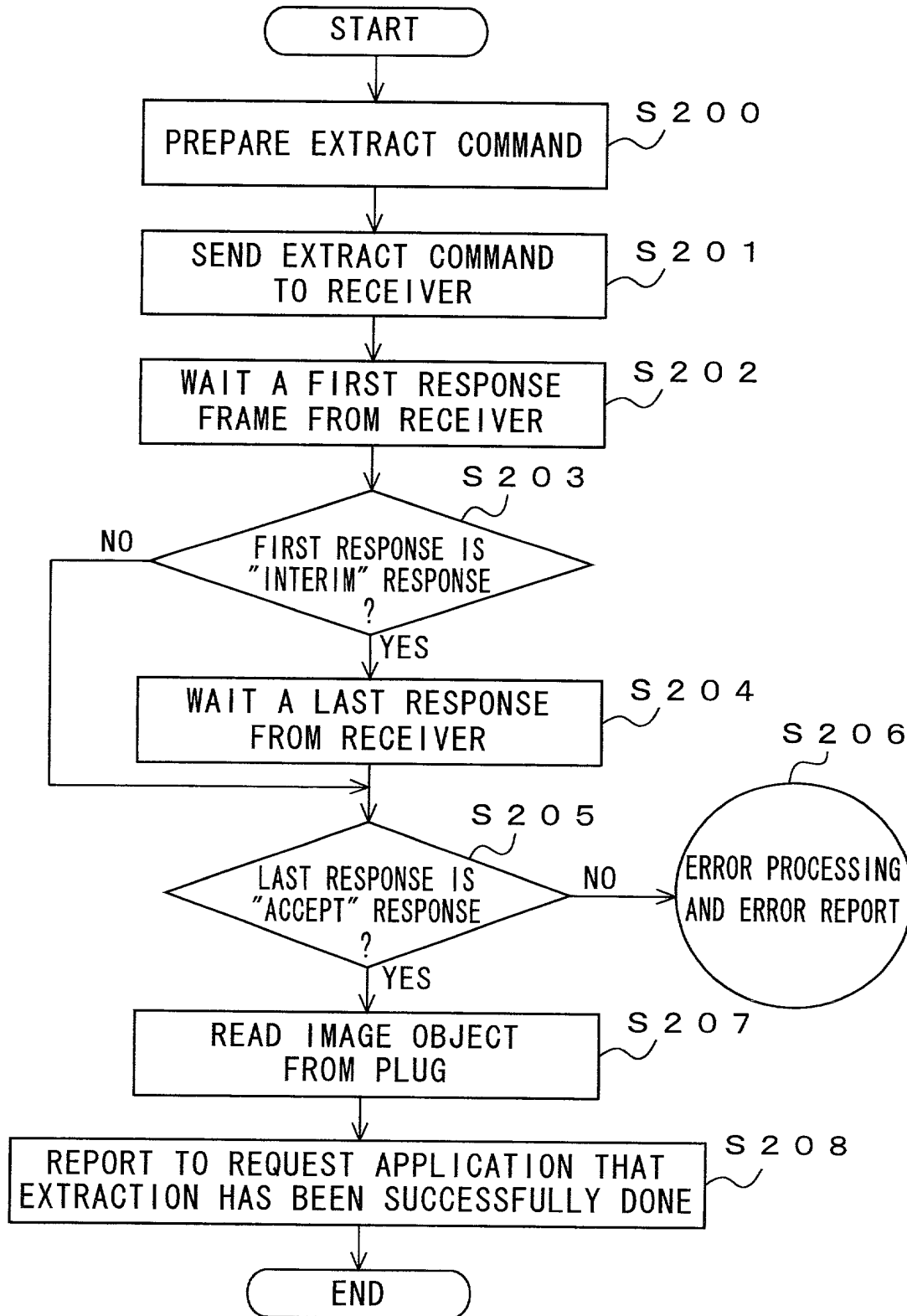


FIG. 23

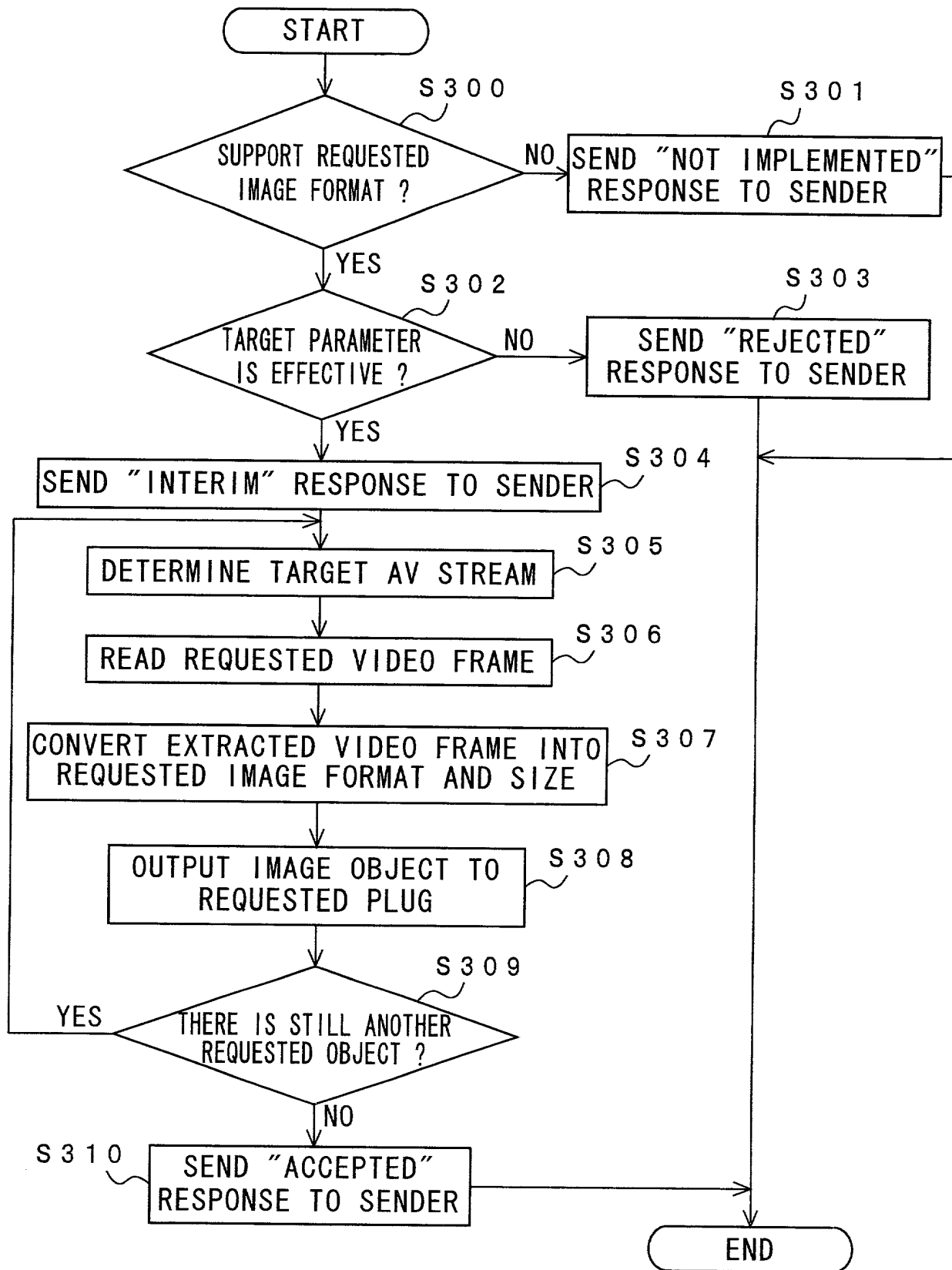


FIG. 24

